



BTL-3000 Series

SCOTCH DOUCHE

INSTALLATION

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1 INSTALLATION

Installation of tubs must be done by qualified personnel with BTL accreditation. In case of "amateurish" installation the supplier does not guarantee for the installation part of the hydromassage equipment and the defects connected with unprofessional installation. Guarantee does not apply for these defects.

Installation of tubs can be done only after completion of all building and preparatory works (water mains, electrical cabling and drainage) which shall be realized by the customer before the installation and settling of the tub. The list and description of installation requirements is in the attachment and/or can be requested from the supplier.

CAUTION

It is necessary to make sure in advance that large tubs can be transported to the place of operation!!!

1.1 WATER PIPING

Water piping installation must comply with the valid standards for internal duct and for house sewerage in case of operation in residential, balneal, remedial and similar facilities.

Recommendations for the cases of worse conditions in the existing water mains

- If pressure in the inlet of warm and cold water is unbalanced it is recommended to mount reducing valves.
- On the warm and cold water inlets install water filters for filtration of impurities contained in the water mains, possibly also a device for dissolution of scale.

CAUTION

The lever of the drain valve is located at the left side of the tub (if facing the tub from the control panel). If you want to place the tub with the side to the wall it is necessary to require in the order that the lever is located at the opposite side! If the tub is adapted for water recycling the drain valves are two and are located at both the right and left side.

1.2 ELECTRICAL INSTALLATION

Connection of the tub to the mains can only be done by an authorized subject according to the valid standards. The following requirements must be observed:

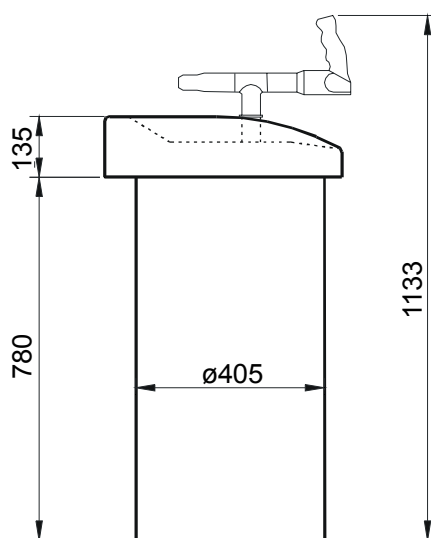
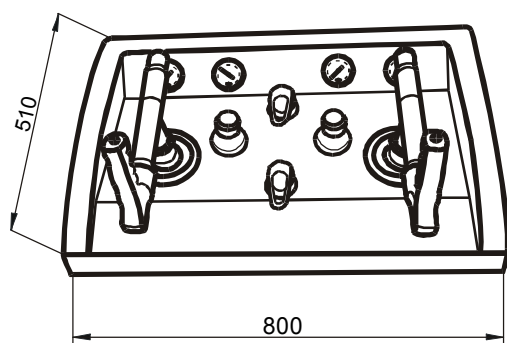
- the electrical wiring for connection of the hydromassage tub must comply with the valid standards
- the electric equipment of the hydromassage tub must have its own, separately protected power supply dimensioned for the equipment input
- the electric equipment of the hydromassage tub must be connected to the TN-S system.
- if the stated system is not installed in the building, it is necessary to divide the PEN conductor into the protective PE wire and the N wire on the main or accessory switchboard
- this switchboard shall be located at the door to the room with the hydromassage tubs. If the switchboard is located in the room with the tub, it must comply with the requirements of the valid standards.
- If the tubs will be installed in balneal, medical and similar facilities it is necessary to comply in addition with the following requirements according to the applicable standards:
- conditions for the medical room of the hydrotherapy type
- cross-section of the conductors of protective bonding must not be less than $\text{Cu } 6 \text{ mm}^2$
- impedance of the protective wires must comply with the requirements of the valid standards, i.e. for protection up to 16 A impedance lower than 0,2 Ohm. For other protection the value of impedance must be calculated.

The installation must be subject to an inspection according to the valid standard, including the measured values.

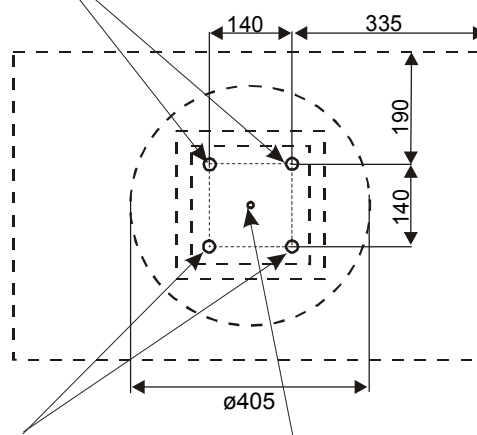
The power supply must be equipped with current protection 30 mA.

1.3 INSTALLATION REQUIREMENTS

- Finish water inlets 100mm above the floor surface; the most suitable is 1" faucet.
- For electricity supply use the cable 3 x 1,5mm² cable should be 1,5m above the floor.
- Together with electricity outlet, lead also ground wire 6mm².
- The tolerance of placement between water inlet and electricity supply is 50mm.
- Use earth leakage protection IDn 30mA
- Electricity installation of the room has to comply with all respective standards. This has to be documented by a revision report.
- For water supply, use 1" flexible pressure hoses.
- Minimum door width for the unit installation is 800mm.

**INLETS OF COLD WATER**

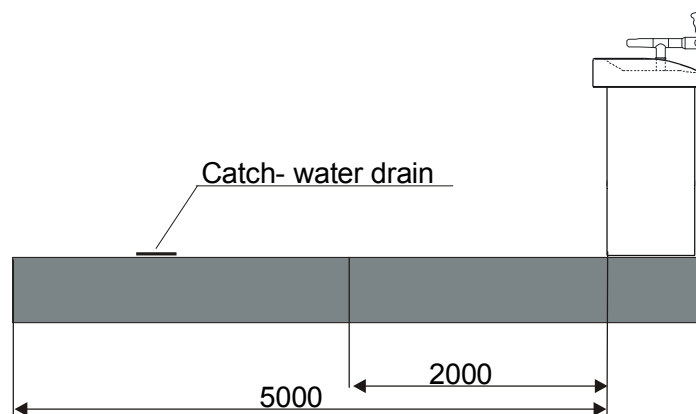
- Finish water inlets 100mm above the floor surface
- The most suitable is 1" faucet with internal thread

**INLETS OF HOT WATER**

- Finish water inlets 100mm above the floor surface
- The most suitable is 1" faucet with internal thread

ELECTRICITY SUPPLY

- 230V 50Hz, 1,5 mm²
- The cable should be 1,5m above the floor
- The ground wire should be 1.5 m above the floor and diameter 6mm²



Minimal distance between scotch douches and patient 2000 mm.

Maximal distance between scotch douches and patient 5000 mm (depend on water pressure in pipe).



This document is not a User's Manual and cannot in any case be applied to a different type of hydromassage equipment.

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